

# A REQUEST FOR PROPOSAL FOR PERSONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2011-08  
Clark/I-64/7-8506.01

This document constitutes a Request for Proposals for Personal Service Contract from qualified individuals and organizations to furnish those services as described herein for the Commonwealth of Kentucky, Department of Highways.

## **I. PROJECT DESCRIPTION**

County – Clark

Route – I-64

Item No. – 7-8506.01

Project Description – Modify the existing geometrics and roadway features of the existing I-64/Mountain Parkway (KY 9000) interchange to a full interchange. Modify existing geometric and roadway features to meet Interstate design standards per AASHTO Policy on Design Standards.

[Policy on Design Standards- Interstate System 5th edition \(2005\)](#) & [FHWA Policy on Access to the Interstate System \(2009\)](#)

## **II. PROJECT INFORMATION**

Project Manager – Robin Sprague, P.E.

User Division – Highway Design

Approximate Fee – \$450,000 Phase I Preliminary Engineering & Environmental, \$350,000 Phase II Final Roadway Design. (Lump Sum Fee)

Project Funding – Federal National Highway System Funds (NH)

Project Length – 1.44 miles

## **III. PURPOSE AND NEED**

The purpose of this project is to reconstruct the existing interchange at the I-64 and Mountain Parkway (KY 9000) junction to a full interchange. The existing is a partial interchange made up of a northbound Mountain Parkway to westbound I-64 to southbound Mountain Parkway ramp. Currently, in order to go southbound onto Parkway from westbound I-64 traffic has to utilize the KY 627 interchange and make a U-turn movement.

## **IV. DBE REQUIREMENT**

Consultant team should include a DBE participation plan with their response to announcement. An additional page will be allowed with the Project Approach (page 7) in the response to announcement to convey this plan. A maximum of 4 points will be considered in the Evaluation Factors for the DBE Participation Plan.

## **V. SCOPE OF WORK**

The selected Consultant will be required to provide Phase I Roadway design, including the preparation of engineering studies, the preparation of an Interchange Modification Report (IMR) per FHWA guidelines/requirements, identification of appropriate typical sections, identifying any utility impacts, performing drainage design, developing dependable cost estimates, conducting and preparing documents for public meetings, and providing documents and/or plans to be used by KYTC in obtaining an approved Environmental Document which is anticipated being a CE Level 3.

The selected consultant will be responsible to provide a Traffic Model and Analysis. The Highway Capacity Manual (HCM) methodology must be used as a minimum to evaluate analysis of alternatives, including all aspects of traffic movements (merge/diverge, weaving and LOS for both freeway and arterial/cross roadways).

This project will be advanced to Phase II Design, with contract modification. The selected consultant will then be required to provide engineering services to perform Phase II Roadway Design, including the preparation of any design studies, drainage design, right-of-way plans, construction plans, traffic control plans, and cost estimates. The selected consultant will also be required to provide Structure Design services.

## **VI. SPECIAL INSTRUCTIONS**

The Department may retain services to be performed by in-house state forces.

Instructions for Response to Announcement can be found at:

[http://transportation.ky.gov/progperform/instructions\\_for\\_response\\_to\\_kentucky\\_transportation\\_cabinet\\_6-9-09.pdf](http://transportation.ky.gov/progperform/instructions_for_response_to_kentucky_transportation_cabinet_6-9-09.pdf)

## **VII. AVAILABLE STUDIES**

- [September 2010 I-64-Mountain Parkway Interchange Study](#)
- [Exhibit one.pdf](#)
- [Exhibit two.pdf](#)
- [Exhibit three.pdf](#)

## **VIII. METHOD OF DESIGN**

The selected consultant shall utilize the current CADD Standards for Highway Plans (version 3.0) policy in the development of the highway plans.

## **IX. PHOTOGRAMMETRIC SERVICES**

The Department will be responsible for obtaining the aerial photography and will furnish manuscripts on computer disks in DGN format.

## **X. ENVIRONMENTAL**

Any necessary Environmental Services will be provided by the KYTC (CE Level 3 anticipated)

## **XI. GEOTECHNICAL SERVICES**

The Department will provide all Geotechnical Services required for the project.

## **XII. STRUCTURE DESIGN**

The selected consultant shall do the necessary Engineering Services to submit to the KYTC Advanced Situation Folders for the applicable structures. The Structure Design will be performed by the consultant. Structure Design Services may be added to the contract by contract modification. Prequalification in the area of structure design is required to be identified in the consultant's Response to Announcement.

## **XIII. TRAFFIC**

The KYTC will provide the necessary traffic forecasts for the project, both existing and future counts. **The selected consultant will be responsible for analyzing the operational aspects for the proposed interchange configurations based upon the supplied traffic forecasts.**

**Copy of the traffic forecasts prepared in April 2010 for this project for reference is available for download at: <http://transportation.ky.gov/progperform/Bull 2011-08/Clark Co TF 4-27-2010.pdf>**

**Prequalification category of "Traffic Forecast" is not required to be identified in the consultant response to announcement.**

**The consultant will be expected to provide some type of simulation and to perform an analysis this interchange with the Highway Capacity Software.**

## **XIV. PREQUALIFICATION REQUIREMENTS**

To respond to this project, the consultant project team must be prequalified in the following areas by the date of this advertisement.

### ROADWAY DESIGN

- [Rural Roadway Design](#)
- [Surveying](#)

### TRAFFIC ENGINEERING

- [Traffic Engineering](#)

### TRANSPORTATION PLANNING

- [Transportation Traffic Demand Modeling](#)

### STRUCTURE DESIGN

- [Spans under 500 feet](#)

## **XV. PROCUREMENT SCHEDULE**

Dates other than Response Date are tentative and provided for information only.

RESPONSE DATE • March 9, 2011 4:30 p.m. E.S.T. (Frankfort time)

FIRST SELECTION COMMITTEE • March 11, 2011

SECOND SELECTION COMMITTEE • March 30, 2011

PRE-DESIGN CONFERENCE • April 13, 2011

TENTATIVE DEADLINE FOR CONSULTANT FEE PROPOSAL • April 27, 2011

CONTRACT NEGOTIATIONS • May 11, 2011

NOTICE TO PROCEED • June 8, 2011

#### **XVI. PROJECT SCHEDULE**

Project schedule may be adjusted during the pre-design conference or contract negotiations.

INTERCHANGE MODIFICATION REPORT • August 1, 2011

PRELIMINARY LINE AND GRADE • January 1, 2012

JOINT INSPECTION • October 1, 2012

RIGHT-OF-WAY UTILITY PLANS • April 1, 2013

FINAL PLANS • April 1, 2014

#### **XVII. EVALUATION FACTORS**

1. Relative experience of consultant personnel assigned to project team with highway projects for KYTC and/or federal, local or other state governmental agencies. (10 points)
2. Capacity to comply with project schedule. (10 points)
3. Past record of performance on project of similar type and complexity. (10 points)
4. Project approach and proposed procedures to accomplish the services for the project. (10 points)
5. DBE Participation Plan (4 points)
6. Consultant's offices where work is to be performed. (2 points)

For state-funded projects, if a Selection Committee vote results in a tie between two (2) firms, one (1) of which will perform more of the work tasks in Kentucky than the other, then the former firm shall be ranked one (1) place ahead of the latter.

#### **XVIII. SELECTION COMMITTEE MEMBERS**

1. Ananias Calvin, PE, User Division
2. Keith Caudill, PE, User Division
3. Joe Plunk, PE, Secretary's Pool
4. Marvin Wolfe, PE, Secretary's Pool
5. Buddy Smith, PE, Governor's Pool

# Location Map

